

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
 US Department of Commerce  
 United States Patent and Trademark  
 Office, PCT  
 2011 South Clark Place Room  
 CP2/5C24  
 Arlington, VA 22202  
 ETATS-UNIS D'AMERIQUE  
 in its capacity as elected Office

Date of mailing (day/month/year) 09 January 2001 (09.01.01)	
International application No. PCT/CZ00/00031	Applicant's or agent's file reference PV/276/PCT
International filing date (day/month/year) 09 May 2000 (09.05.00)	Priority date (day/month/year) 10 May 1999 (10.05.99)
Applicant PROCHAZKA, Zden&ecaron;k	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:  
 04 December 2000 (04.12.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was  
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

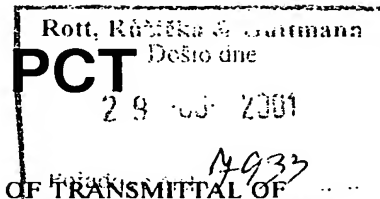
The International Bureau of WIPO  
 34, chemin des Colombettes  
 1211 Geneva 20, Switzerland

Authorized officer

Kiwa Mpay

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY



To:

Andera, Jiri  
ROTT, RUZICKA & GUTTMANN  
P.O. Box 94  
170 06 Praha 7  
REPUBLIQUE TCHEQUE

NOTIFICATION OF TRANSMITTAL OF  
INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing  
(day/month/year)

2 5. 05. 01

Applicant's or agent's file reference

PV/276/PCT

## IMPORTANT NOTIFICATION

International application No.

PCT/CZ 00/ 00031

International filing date (day/month/year)

09/05/2000

Priority date (day/month/year)

10/05/1999

Applicant

PROCHAZKA, Zdenek

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**  
The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/



European Patent Office  
D-80298 Munich  
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Authorized officer

Paola Ottaviani



# PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>PV/276/PCT</b>	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. <b>PCT/CZ 00/ 00031</b>	International filing date ( <i>day/month/year</i> ) <b>09/05/2000</b>	Priority date ( <i>day/month/year</i> ) <b>10/05/1999</b>
International Patent Classification (IPC) or national classification and IPC <b>G07C9/00</b>		
Applicant <b>PROCHAZKA, Zdenek</b>		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.


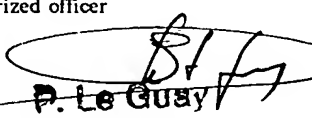

2. This **REPORT** consists of a total of 6 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consists of a total of 2 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand <b>04/12/2000</b>	Date of completion of this report <b>2 5. 06. 01</b>
Name and mailing address of the IPEA/  European Patent Office D-80298 Munich Tel. (+ 49-89) 2399-0, Tx: 523656 epmu d Fax: (+ 49-89) 2399-4465	Authorized officer  <b>P. Le Guay</b> 

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

## I. Basis of the report

1. This report has been drawn up on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*

☐ the international application as originally filed

☒ the description, pages 1-7, as originally filed  
 pages, filed with the demand  
 pages, filed with the letter of

☒ the claims, Nos. , as originally filed  
 Nos. , as amended under Article 19  
 Nos. , filed with the demand  
 Nos. 1-6, filed with the letter of 02.05.01

☒ the drawings, sheets / fig. 1/1, as originally filed  
 sheets / fig. , filed with the demand  
 sheets / fig. , filed with the letter of

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages:  
☐ the claims, Nos.  
☐ the drawings, sheets / fig.

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2 (c)).

4. Additional observations, if necessary:

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty	Claims	1-6	YES
	Claims	None	NO
Inventive Step	Claims	1-6	YES
	Claims	None	NO
Industrial Applicability	Claims	1-6	YES
	Claims	None	NO

## 2. Citations and Explanations

1. Concerning Claim 1:

- (a) Claim 1 relates to an arrangement comprising an electronic lock connected to a discriminating unit, a reading device and an access events memory;
- (b) such an arrangement is known from prior art documents like US-A 3 842 629, CA-A-2 227 664 and US-A-5 614 703;
- (c) the purpose of the invention is to use such an arrangement in shared areas and make possible to survey the damages caused to the shared objects;
- (d) this problem is solved by the claimed arrangement which further discloses a user terminal enabling the user to communicate any decrease in quality to the evaluation centre which can cancel the authorisation of using the shared objects to the previous user;
- (e) such feature must be considered as novel and inventive in terms of Article 33(2) and (3) PCT.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

2. Concerning Claims 2-6:

These depending claims disclose particular embodiments of the invention and are therefore also considered as being novel and inventive (Article 33(2) and (3) PCT).

3. The industrial applicability of the arrangement according to Claims 1 to 6 is obvious.

**INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

**VII. Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents US-A-3 842 629, CA-A-2 227 664 and US-A-5 614 703 are not mentioned in the description, nor are these documents identified therein.

**INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

**VIII. Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claim 1 lacks clarity in terms of Article 6 PCT. Thus, Claim 1 does not contain essential features such as the location of the user terminal (inside the protected area), the location of the discriminating unit, the evaluation centre and the access events memory (outside the protected area) and the location of the reading device (beside the entrance door of the protected area).



## CLAIMS

1. Arrangement of entrance unit for protected area, comprising an electronic lock (2) whose input is connected to the first output (5.1) of the discriminating unit (5) and to the first input (5.3) of the discriminating unit (5) is connected output of reading device (3) of chip cards (4), while the second output (5.2) of the discriminating unit (5) is connected to the first input (9.1) of the access events memory (9), **characterized by the fact** that said arrangement further comprises an user terminal (7) for enabling the user to communicate any decrease in quality of the protected area to the evaluation centre (6), the first output (7.1) of the user terminal (7) is connected to the first input (6.1) of evaluation centre (6), that on the basis of the communication concerning the decrease in quality of the protected area can cancel the authorisation for using the protected area to user who used the protected area in a previous case and the first input (7.3) of the user terminal (7) is connected to the first output (6.3) of evaluation centre (6), while the third output (6.5) of the evaluation centre (6) is connected to the second input (5.4) of discriminating unit (5), fourth output (6.6) of the evaluation centre (6) is connected to second input (9.2) of the access events memory (9), while the second input (6.2) of the evaluation centre (6) is connected to the first output (9.3) of the access events memory (9).

2. Arrangement according to claim 1, **characterized by the fact** that the evaluation centre (6) is provided with second output (6.4) and the discriminating unit (5) is provided with third input (5.5) while between the second output (6.4) of the evaluation centre (6) and the third input (5.5) of the discriminating unit (5) an monitoring terminal (8) is connected.

3. Arrangement according to claim 1, **characterized by the fact** that the user terminal (7) is equipped by a reading unit (3') of chip cards (4).

4. Arrangement according to claim 1, **characterized by the fact** that the second output (7.2) of the user terminal (7) is connected to input of an auxiliary equipment (11).

5. Arrangement according to claim 2, **characterized by the fact** that the discriminating unit (5) is connected to one or more reading devices (3) and one or more locks (2), the access events memory (9) is connected to one or more discriminating units (5), the evaluation centre (6) is connected to one or more discriminating units (5) and one or more access events memories (9), the monitoring terminal (8) is connected to one or more discriminating units (5) and to one or more evaluating centres (6).

6. Arrangement according to claim 1, **characterized by the fact** that connection of inputs and outputs of the electronic lock (2), the reading device (3) of chip cards (4) and the user terminal (7) with inputs and outputs of the discriminating unit (5) and the evaluation centre (6) is provided via wireless link.

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>PV/276/PCT</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/CZ 00/ 00031</b>	International filing date (day/month/year) <b>09/05/2000</b>	(Earliest) Priority Date (day/month/year) <b>10/05/1999</b>
Applicant  <b>PROCHAZKA, Zdenek</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

### 1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of Invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1

☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/CZ 00/00031

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G07C9/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G07C G07B G06F G07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 842 629 A (PAZER J ET AL) 22 October 1974 (1974-10-22) abstract; figure 1 column 3, line 21 -column 5, line 36	1,2,4,5
X	CA 2 227 664 A (BUNN FRANK F) 21 July 1998 (1998-07-21) abstract; figures 1-3,5 page 3, line 28 -page 6, line 29 page 10, line 1 -page 13, line 8	1,3,4,6
X	US 5 614 703 A (MARTIN JAY R ET AL) 25 March 1997 (1997-03-25) abstract; figures column 4, line 20 -column 7, line 5 column 7, line 31 - line 58 -/-	1-6

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

18 August 2000

Date of mailing of the international search report

30/08/2000

Name and mailing address of the ISA

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NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Buron, E

# INTERNATIONAL SEARCH REPORT

Int. .onal Application No

PCT/CZ 00/00031

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>NORMAND O: "A COHERENT PROGRAMME OF SELF-SERVICE ELECTRIC CARS THAT WILL HELP TO SOLVE MANY URBAN TRANSPORTATION PROBLEMS"</p> <p>EVS. INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM, JP, TOKYO, JEVA, vol. SYMP. 13, 13 October 1996 (1996-10-13), pages 402-407, XP000687911 abstract</p> <p>page 403, left-hand column, line 1 -page 404, right-hand column, line 7</p>	1-6
Y	<p>US 4 965 821 A (HOBERG PAUL ET AL) 23 October 1990 (1990-10-23) abstract; figures column 3, line 7 -column 10, line 26</p>	1-6
A	<p>NL 1 006 445 C (GROEN BEHEER B V) 5 January 1999 (1999-01-05)</p>	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CZ 00/00031

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3842629	A	22-10-1974	NONE	
CA 2227664	A	21-07-1998	NONE	
US 5614703	A	25-03-1997	WO 9843195 A AU 2339097 A US 5979754 A EP 0970434 A	01-10-1998 20-10-1998 09-11-1999 12-01-2000
US 4965821	A	23-10-1990	NONE	
NL 1006445	C	05-01-1999	NONE	

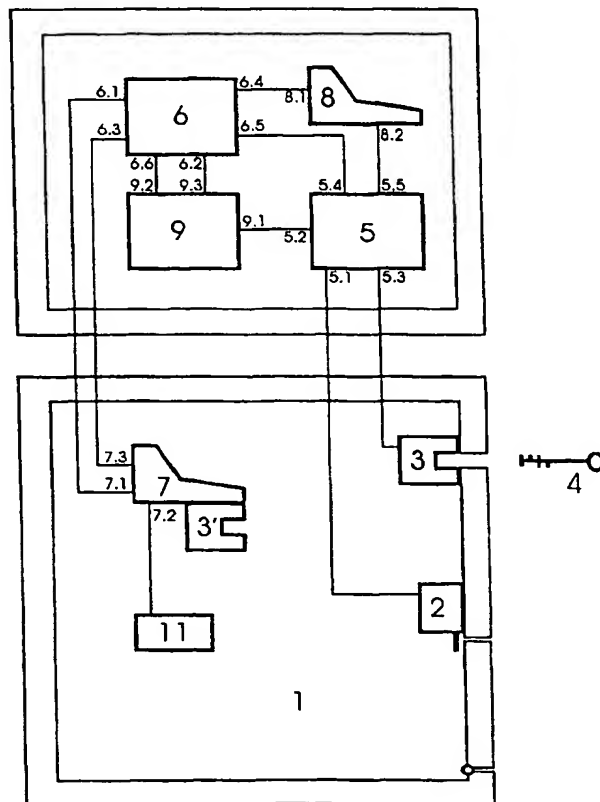


## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b> <b>G07C 9/00</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 00/68897</b> <b>(43) International Publication Date:</b> 16 November 2000 (16.11.00)
<b>(21) International Application Number:</b> PCT/CZ00/00031 <b>(22) International Filing Date:</b> 9 May 2000 (09.05.00) <b>(30) Priority Data:</b> PV 1655-99      10 May 1999 (10.05.99)      CZ <b>(71)(72) Applicant and Inventor:</b> PROCHAZKA, Zdeněk [CZ/CZ]; Hybešova 728, 691 23 Pohodělce (CZ). <b>(74) Agent:</b> ANDERA, Jirí; Rott, Ruzicka & Guttman, P.O. Box 71, 142 00 Praha 4 (CZ).		<b>(81) Designated States:</b> AE, AG, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DE (Utility model), DK, DK (Utility model), DM, DZ, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i>

**(54) Title:** ARRANGEMENT OF ENTRANCE UNIT FOR PROTECTED AREAS**(57) Abstract**

In a protected area (1), equipped by an electronic lock (2) and by a reading device (3) of chip cards (4), connected to a discriminating unit (5), a user terminal (7) is located, which is connected to an evaluation centre (6). The evaluation centre (6) is connected with an access events memory (9), with a discriminating unit (5) and with a monitoring terminal (8), while the access events memory (9) is also connected to the discriminating unit (5). This arrangement enables entrance into the protected area (1) only to authorized users, equipped by the pertinent chip card (4). This arrangement further enables the user, who ascertains damages, to transmit the report about discovered status via user terminal (7) into the evaluation centre (6), which compares time of change of the status in the protected area (1) with time of access events, stored in the access events memory (9), assigns responsibility for ascertained damages and eventually abolishes the right of access for the responsible persons by means of discriminating unit (5) and that all can occur without personal presence or performance of supervising staff.



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DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						



## Arrangement of entrance unit for protected areas

### Technical Field

The invention relates to an arrangement of entrance unit for protected areas where entrance is enabled for authorized users only.

### Background Art

Up to this time the entrance to protected areas with limited access users was provided by opening of a door or barriers according to the content of a magnetic card. The content of magnetic card could be the same for all users, in that case the technical solution would be simple and would be composed of a magnetic card reading device, comparing circuit, comparing the code saved on the card with the only correct code and the lock, releasing the door into area protected against other persons' entrance. This way it would not be possible to watch utilisation of protected area by separate users.

In more advanced versions the distinguishing code, saved on a magnetic or chip card or on some other carrier, was different for separate users, then the simple comparing circuit was replaced by the circuit comparing the distinguishing code of the inserted card with all admissible codes, representing separate users. Connection was enhanced by access events memory, connected to the comparing circuit, and by the monitoring terminal, connected to access events memory. With this connection it was possible to survey the utilisation of protected area by separate users.

For areas utilised by a number of people with automatic open-up access however, the question of drawing consequences of damage responsibility which has arisen

in these areas comes out regularly.

Especially with larger numbers of persons, larger numbers of shared areas, larger distances among them and a higher possibility of various damage it is not economical to solve these problems by the presence of supervision authorities on the spot, or by personal participation in checking on protected areas state and by investigation of acknowledged damages.

Absence of supervision, at the same time automation of all-access areas, without attendance unbinds self-discipline of people and leads regularly to a higher rate of damaging of equipment, especially with broad systems with apparently anonymous entrance. For example lift cages, railroad carriages, trams, telephone kiosk, public toilets and other areas, open to the public. These economical losses can be limited by arrangement which is presented by this invention.

#### Disclosure of Invention

The problem described above is solved by arrangement according to this invention, when the area, protected from access of unauthorised persons is accessible only over the barrier, released by an electronic lock, whose input is connected to the first output of discriminating unit and to its first input of discriminating unit is connected output of a distinguishing elements reading device e.g. chip card reading devices, which can serve as a distinguishing element and enable reading of the device to distinguish individual users asking for access into the protected area. Second output of discriminating unit is connected to the first input of access events memory, which stores sequence of access events inclusive of distinguishing code of individual users. Discriminating unit determines if the user, showing proof of his or her identity by certain distinguishing code, is authorised to access the protected area.

Principle of the invention is based on the fact that the arrangement is extended by

at least one user terminal and at least one evaluation centre in such a way, that the first output of the user terminal is connected to the first input of evaluation centre and the first input of the user terminal is connected to the first output of evaluation centre. The second output of the evaluation centre is connected to the third input of discriminating unit, the third output of the evaluation centre is connected to the second input of discriminating unit, fourth output of the evaluation centre is connected to second input of the access events memory, while the second input of the evaluation centre is connected to the first output of the access events memory.

Between the second output of the evaluation centre and the third input of discriminating unit a monitoring terminal can be connected.

The user terminal is accessible to users of protected area for example by its location in the protected area and enables the user to pass over a message about protected area state found, especially about found damages, and time when they were recognised and about the identity of the user to the evaluation centre.

The evaluation centre compares automatically the moments of state changes of the protected area with the moments of access events, stored in the access events memory and assigns distinguishing code of the user who is responsible for the state change of the protected area on the basis of reports, received from the user terminal. Users' distinguishing codes and probability of responsibility for state changes of protected area, is passed over by the evaluation centre to the monitoring terminal, where they can be displayed on the screen, or printed or saved into the memory and can serve for the supervision authority of operator as proposals to cancel the authorisation for entrance into the protected area for individual indicated users. For this reason, the output from the monitoring terminal can be driven to the input of the discriminating unit, providing a change of discriminating unit output value when asking for authorisation of the entrance of the user with inserted distinguishing code from the state "ADMITTANCE AUTHORISED" to "ADMITTANCE UNAUTHORISED".

The input of the discriminating unit can be connected with the output of the evaluation centre via the monitoring terminal or directly. The direct connection is useful for automatic operation.

The user terminal, which enables passing over reports of the state of the protected area, of the moment of reported state found and entering user identity, is equipped by the reading device of distinguishing elements to its advantage.

The user terminal is to its advantage equipped with an display of summary of the complex protected area known state in the same moment, displaying for example in priority some items of the protected area state, which are more frequently used and that is why its input is connected with the evaluation centre output.

The user terminal is to its advantage joint with an control station on other auxiliary equipment, located inside the protected area, for example air-conditioning, radio, copier machine etc, which are interconnected to it for passing commands over.

The evaluation centre, which in the base of reports received from the user terminal compares automatically moments of state changes of protected area with moments of access events stored in the access events memory, and determines the distinguishing code of user who is suspected for causing the change of the state of the protected area and assigns the probability of responsibility to it. With advantage the responsibility is spread over several users during evaluation of one event. Past events connected to one user may influents the probability of responsibility during evaluation of following events. Because of passing over the inquiries and requests concerning details of access events the output of the evaluating centre is connected to the access events memory input and answers are passed over from access events memory output to the input of the evaluation centre.

The discriminating unit can be connected with more reading devices and more locks, which can be fixed to door of one but also to more different protected areas.

Access events memory can be connected with more discriminating units.

The evaluation centre can be connected with more discriminating units and more memories of accesses, the monitoring terminal can be connected with more discriminating units and more evaluation centres.

The evaluation centre can be to its advantage common for more protected areas, or more user terminals.

Protected area is to its advantage the inner area of a car, lift, building, room of telephone kiosk, cash dispenser, laundry, room of Official Secrets Acts, etc..

Connection between outputs and inputs of separate units of the circuit is to its advantage provided by something other than a solid connection, i.e. by a wireless link.

The main advantage of this arrangement is in quicker and easier messages transfer referring about protected area damage and its equipment, responsibility assessment for damage and/or occasional abolishment of access rights to users responsible for protected area damage, this can all occur without personal presence or performance of supervising staff.

#### Brief Description of Drawings

The invention is, in the following, described further on an example of an embodiment by means of a drawing on which the scheme shows the arrangement of entrance unit to protected area.

#### Modes for Carrying Out the Invention

Drawing shows a protected area 1 with door, released by electronic lock 2, whose entrance is connected to the first output 5.1 of discriminating unit 5. To the first

input 5.3 of discriminating unit 5 is connected output of reading device 3 of chip cards 4. Second output 5.2 of discriminating unit 5 is connected with the first input 9.1 of access events memory 9.

In the protected area 1 an user terminal 7 is located, the first output 7.1 of which is connected to the first input 6.1 of evaluation centre 6, while its first input 7.3 is connected to the first output 6.3 of evaluation centre 6. Second output 6.4 of evaluation centre 6 is connected to input 8.1 of the monitoring terminal 8, the third output 6.5 is connected to second input 5.4 of discriminating unit 5, the fourth output 6.6 is connected to second input of 9.2 of access events memory 9, while the second input 6.2 of evaluation centre 6 is connected to the first output 9.3 of access events memory 9. Output 8.2 of monitoring terminal 8 is connected to the third input 5.5 of discriminating unit 5. Second output 7.2 of user terminal is connected to the input of auxiliary device 11.

Following example of an embodiment of the invention does not limit the scope of the protection.

Shared automobiles of transport club are fitted by electronic door lock 2. Inner area of each vehicle is the protected area 1, which can not be entered off the door, operated by electronic lock 2. Reading device 3, located on the vehicle, distinguishes individual users according to chip cards 4, which are delivered to the members by Transport club Centre. With inserting the card 4 into reading device 3 this notifies distinguishing code of inserted card via radio link to discriminating unit 5, located in the club centre.

Discriminating unit 5 identifies, if asking user is authorised to use the vehicle and if so, it unlocks door lock 2 via the radio link and simultaneously passes over access event into access events memory 9, located also in the club centre.

In every car there is an user terminal 7 located in the form of display with touch-screen, which displays car state, compiled according to previous users messages and enables the new user to set-up investigated real state.

If the new user discovers, that in the car faults existing contrary to the displayed known state (amount of dirt, damaged upholstery, non functional air conditioning etc), he will set-up new investigated facts by means of user terminal via radio connection to the evaluation centre 6, located in the centre of the club connected to access events memory 9.

The evaluation centre 6 looks up previous access event in access events memory 9 and will cancel the authorisation for using club vehicle to user who used the vehicle in previous case by the storing to proper input 5.4 of discriminating unit 5, to which is its output 6.5 connected. Simultaneously this decision is passed over to the input 8.1 of monitoring terminal 8, to which is the output 6.4 of evaluation centre connected. The monitoring terminal 8, located in the centre of the club can be for example a personal computer with a printer.

The user terminal 7 serves simultaneously as a control station of auxiliary equipment 11 of the car (air conditioning, engine, radio etc.). It is equipped by reading device 3' of chip cards 4, which serves as confirmation of the presence of a certain user with setting up the state of protected area 1. Discriminating unit 5, evaluation centre 6, access events memory 9, monitoring terminal 8, which are located in the centre of the club, are common for all club cars.

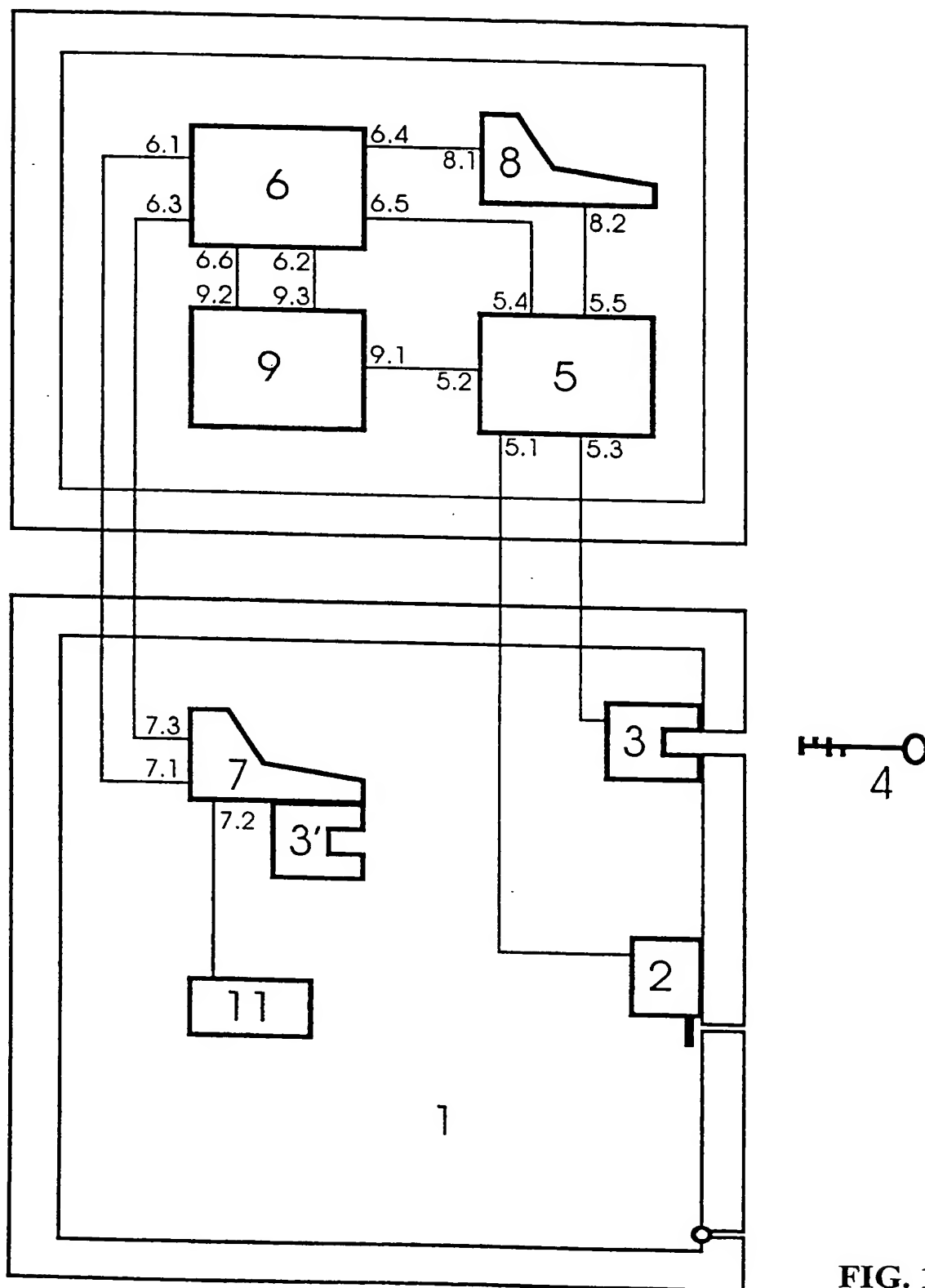
## CLAIMS

1. Arrangement of entrance unit for protected area, comprising an electronic lock (2) whose input is connected to the first output (5.1) of the discriminating unit (5) and to the first input (5.3) of the discriminating unit (5) is connected output of reading device (3) of chip cards (4), while the second output (5.2) of the discriminating unit (5) is connected to the first input (9.1) of the access events memory (9), **characterized by the fact** that said arrangement further comprises an user terminal (7), the first output (7.1) of which is connected to the first input (6.1) of evaluation centre (6) and the first input (7.3) of the user terminal (7) is connected to the first output (6.3) of evaluation centre (6), while the third output (6.5) of the evaluation centre (6) is connected to the second input (5.4) of discriminating unit (5), fourth output (6.6) of the evaluation centre (6) is connected to second input (9.2) of the access events memory (9), while the second input (6.2) of the evaluation centre (6) is connected to the first output (9.3) of the access events memory (9).
2. Arrangement according to claim 1, **characterized by the fact** that the evaluation centre (6) is provided with second output (6.4) and the discriminating unit (5) is provided with third input (5.5) while between the second output (6.4) of the evaluation centre (6) and the third input (5.5) of the discriminating unit (5) an monitoring terminal (8) is connected.
3. Arrangement according to claim 1, **characterized by the fact** that the user terminal (7) is equipped by a reading unit (3') of chip cards (4).
4. Arrangement according to claim 1, **characterized by the fact** that the second output (7.2) of the user terminal (7) is connected to input of an auxiliary equipment (11).



5. Arrangement according to claim 2, **characterized by the fact** that the discriminating unit (5) is connected to one or more reading devices (3) and one or more locks (2), the access events memory (9) is connected to one or more discriminating units (5), the evaluation centre (6) is connected to one or more discriminating units (5) and one or more access events memories (9), the monitoring terminal (8) is connected to one or more discriminating units (5) and to one or more evaluating centres (6).

6. Arrangement according to claim 1, **characterized by the fact** that connection of inputs and outputs of the electronic lock (2), the reading device (3) of chip cards (4) and the user terminal (7) with inputs and outputs of the discriminating unit (5) and the evaluation centre (6) is provided via wireless link.



The demand must be filed directly with the competent International Preliminary Examining Authority or, if more than one Authority is competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:

IPEA/ \_\_\_\_\_

# PCT

## CHAPTER II

### DEMAND

under Article 31 of the Patent Cooperation Treaty:

The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty and hereby elects all eligible States (except where otherwise indicated).

For International Preliminary Examining Authority use only		
Identification of IPEA		Date of receipt of DEMAND
<b>Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION</b>		Applicant's or agent's file reference PV/276/PCT
International application No. PCT/CZ00/00031	International filing date (day/month/year) 09 May 2000 (09.05.00)	(Earliest) Priority date (day/month/year) 10 May 1999 (10.05.99)
Title of invention ARRANGEMENT OF ENTRANCE UNIT FOR PROTECTED AREAS		
<b>Box No. II APPLICANT(S)</b>		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  PROCHÁZKA Zdeněk Hybešova 728 691 23 Pohořelice CZ		Telephone No.:
		Facsimile No.:
		Teleprinter No.:
State (that is, country) of nationality: CZ	State (that is, country) of residence: CZ	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)		
State (that is, country) of nationality:	State (that is, country) of residence:	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)		
State (that is, country) of nationality:	State (that is, country) of residence:	
<input type="checkbox"/> Further applicants are indicated on a continuation sheet.		

**Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE**The following person is ☒ agent ☐ common representativeand ☒ has been appointed earlier and represents the applicant(s) also for international preliminary examination.☐ is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked.☐ is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.Name and address: *(Family name followed by given name; for a legal entity, full official designation.  
The address must include postal code and name of country.)*ANDERA Jiří  
Rott, Růžická, Guttman  
P. O. Box 94  
170 06 Praha 7  
CZ

Telephone No.:

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+ 420 2 33 37 17 89

Facsimile No.:

+ 420 2 33 38 22 63

+ 420 2 33 38 15 52

Teleprinter No.:

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.**Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION****Statement concerning amendments:\***

1. The applicant wishes the international preliminary examination to start on the basis of:

☐ the international application as originally filedthe description ☒ as originally filed☐ as amended under Article 34the claims ☐ as originally filed☐ as amended under Article 19 (together with any accompanying statement)☒ as amended under Article 34the drawings ☒ as originally filed☐ as amended under Article 342. ☐ The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.3. ☐ The applicant wishes the start of the international preliminary examination to be postponed until the expiration of 20 months from the priority date unless the International Preliminary Examining Authority receives a copy of any amendments made under Article 19 or a notice from the applicant that he does not wish to make such amendments (Rule 69.1(d)). *(This check-box may be marked only where the time limit under Article 19 has not yet expired.)*

\* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.

Language for the purposes of international preliminary examination: english☒ which is the language in which the international application was filed.☐ which is the language of a translation furnished for the purposes of international search☐ which is the language of publication of the international application.☐ which is the language of the translation (to be) furnished for the purposes of international preliminary examination.**Box No. V ELECTION OF STATES**The applicant hereby elects all eligible States *(that is, all States which have been designated and which are bound by Chapter II of the PCT)*

excluding the following States which the applicant wishes not to elect:

**Box No. VI CHECK LIST**

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

- |  |   |   |        |
|--|---|---|--------|
| 1. translation of international application                              | : | 1 | sheets |
| 2. amendments under Article 34   | : |   | sheets |
| 3. copy (or, where required, translation) of amendments under Article 19 | : |   | sheets |
| 4. copy (or, where required, translation) of statement under Article 19  | : |   | sheets |
| 5. letter  | : | 2 | sheets |
| 6. other (specify)   | : |   | sheets |

For International Preliminary  
Examining Authority use only

received                      not received


<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

The demand is also accompanied by the item(s) marked below:

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> fee calculation sheet                             | 4. <input type="checkbox"/> statement explaining lack of signature                                  |
| 2. <input type="checkbox"/> separate signed power of attorney                            | 5. <input type="checkbox"/> nucleotide and or amino acid sequence listing in computer readable form |
| 3. <input type="checkbox"/> copy of general power of attorney; reference number, if any: | 6. <input type="checkbox"/> other (specify):  |

**Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE**

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).

  
.....  
ANDERA Jiří  
Patent Agent

For International Preliminary Examining Authority use only

1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):

3. ☐ The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply.

☐ The applicant has been informed accordingly.

4. ☐ The date of receipt of the demand is WITHIN the period of 19 months from the priority date as extended by virtue of Rule 80.5.

5. ☐ Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.

For International Bureau use only

Demand received from IPEA on:

# PCT

## CHAPTER II

### FEE CALCULATION SHEET

Annex to the Demand for international preliminary examination

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">International application No.</td> <td>PCT/CZ00/00031</td> </tr> <tr> <td>Applicant's or agent's file reference</td> <td>PV/276/PCT</td> </tr> </table>	International application No.	PCT/CZ00/00031	Applicant's or agent's file reference	PV/276/PCT	<p style="text-align: center;">For International Preliminary Examining Authority use only</p> <div style="border: 1px solid black; height: 100px; width: 100%;"></div>								
International application No.	PCT/CZ00/00031												
Applicant's or agent's file reference	PV/276/PCT												
<p>Applicant</p> <p style="text-align: center;">PROCHÁZKA Zdeněk</p>													
<p>Calculation of prescribed fees</p> <table style="width: 100%;"> <tr> <td style="width: 60%;">1. Preliminary examination fee .....</td> <td style="width: 20%; text-align: center;">EUR 383,25</td> <td style="width: 20%; text-align: center;">P</td> </tr> <tr> <td>2. Handling fee <i>(Applicants from certain States are entitled to a reduction of 75% of the handling fee. Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee.)</i> .....</td> <td style="text-align: center;">EUR 36,75</td> <td style="text-align: center;">H</td> </tr> <tr> <td>3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box .....</td> <td style="text-align: center;">EUR 420,-</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">TOTAL</td> <td></td> </tr> </table>		1. Preliminary examination fee .....	EUR 383,25	P	2. Handling fee <i>(Applicants from certain States are entitled to a reduction of 75% of the handling fee. Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee.)</i> .....	EUR 36,75	H	3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box .....	EUR 420,-			TOTAL	
1. Preliminary examination fee .....	EUR 383,25	P											
2. Handling fee <i>(Applicants from certain States are entitled to a reduction of 75% of the handling fee. Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee.)</i> .....	EUR 36,75	H											
3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box .....	EUR 420,-												
	TOTAL												
<p>Mode of Payment</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> authorization to charge deposit account with the IPEA (see below)</td> <td><input type="checkbox"/> cash</td> </tr> <tr> <td><input type="checkbox"/> cheque</td> <td><input type="checkbox"/> revenue stamps</td> </tr> <tr> <td><input type="checkbox"/> postal money order</td> <td><input type="checkbox"/> coupons</td> </tr> <tr> <td><input checked="" type="checkbox"/> bank draft</td> <td><input type="checkbox"/> other (specify):</td> </tr> </table>		<input type="checkbox"/> authorization to charge deposit account with the IPEA (see below)	<input type="checkbox"/> cash	<input type="checkbox"/> cheque	<input type="checkbox"/> revenue stamps	<input type="checkbox"/> postal money order	<input type="checkbox"/> coupons	<input checked="" type="checkbox"/> bank draft	<input type="checkbox"/> other (specify):				
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<input type="checkbox"/> postal money order	<input type="checkbox"/> coupons												
<input checked="" type="checkbox"/> bank draft	<input type="checkbox"/> other (specify):												
<p>Deposit Account Authorization <i>(this mode of payment may not be available at all IPEAs)</i></p> <p>The IPEA/ _____ <input type="checkbox"/> is hereby authorized to charge the total fees indicated above to my deposit account.</p> <p><input type="checkbox"/> <i>(this check-box may be marked only if the conditions for deposit accounts of the IPEA so permit)</i> is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated above to my deposit account.</p>													
<p>Deposit Account Number _____</p>	<p>Date (day/month/year) _____</p>	<p>Signature _____</p>											

## CLAIMS

1. Arrangement of entrance unit for protected area, comprising an electronic lock (2) whose input is connected to the first output (5.1) of the discriminating unit (5) and to the first input (5.3) of the discriminating unit (5) is connected output of reading device (3) of chip cards (4), while the second output (5.2) of the discriminating unit (5) is connected to the first input (9.1) of the access events memory (9), **characterized by the fact** that said arrangement further comprises an user terminal (7) for communicating the real status of the protected area to the evaluation centre (6), the first output (7.1) of the user terminal (7) is connected to the first input (6.1) of evaluation centre (6), that can cancel the authorisation for using the protected area to user who used the protected area in a previous case and the first input (7.3) of the user terminal (7) is connected to the first output (6.3) of evaluation centre (6), while the third output (6.5) of the evaluation centre (6) is connected to the second input (5.4) of discriminating unit (5), fourth output (6.6) of the evaluation centre (6) is connected to second input (9.2) of the access events memory (9), while the second input (6.2) of the evaluation centre (6) is connected to the first output (9.3) of the access events memory (9).

2. Arrangement according to claim 1, **characterized by the fact** that the evaluation centre (6) is provided with second output (6.4) and the discriminating unit (5) is provided with third input (5.5) while between the second output (6.4) of the evaluation centre (6) and the third input (5.5) of the discriminating unit (5) an monitoring terminal (8) is connected.

3. Arrangement according to claim 1, **characterized by the fact** that the user terminal (7) is equipped by a reading unit (3') of chip cards (4).

4. Arrangement according to claim 1, **characterized by the fact** that the second output (7.2) of the user terminal (7) is connected to input of an auxiliary equipment (11).

# PCT

## REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum)

PV/276/PCT

Box No. I TITLE OF INVENTION

ARRANGEMENT OF ENTRANCE UNIT FOR PROTECTED AREAS

Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

PROCHÁZKA Zdeněk  
Hybešova 728  
691 23 Pohořelice  
CZ

☒ This person is also inventor.

Telephone No.

Facsimile No.

Teleprinter No.

State (that is, country) of nationality:

CZ

State (that is, country) of residence:

CZ

This person is applicant for the purposes of:



all designated States



all designated States except the United States of America



the United States of America only



the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

☐ applicant only

☐ applicant and inventor

☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:



all designated States



all designated States except the United States of America



the United States of America only



the States indicated in the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:



agent



common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

ANDERA Jiří  
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Facsimile No.  
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+420 2 333 815 23

Teleprinter No.

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.



Box No.V DESIGNATION OF STATES

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

Regional Patent

- ☒ AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☒ EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)



National Patent (if other kind of protection or treatment desired, specify on dotted line):

- |  |  |
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| <input checked="" type="checkbox"/> AE United Arab Emirates                  | <input checked="" type="checkbox"/> LR Liberia                                   |
| <input checked="" type="checkbox"/> AL Albania                               | <input checked="" type="checkbox"/> LS Lesotho                                   |
| <input checked="" type="checkbox"/> AM Armenia and utility model             | <input checked="" type="checkbox"/> LT Lithuania                                 |
| <input checked="" type="checkbox"/> AT Austria                               | <input checked="" type="checkbox"/> LU Luxembourg                                |
| <input checked="" type="checkbox"/> AU Australia                             | <input checked="" type="checkbox"/> LV Latvia                                    |
| <input checked="" type="checkbox"/> AZ Azerbaijan                            | <input checked="" type="checkbox"/> MA Morocco                                   |
| <input checked="" type="checkbox"/> BA Bosnia and Herzegovina                | <input checked="" type="checkbox"/> MD Republic of Moldova                       |
| <input checked="" type="checkbox"/> BB Barbados                              | <input checked="" type="checkbox"/> MG Madagascar                                |
| <input checked="" type="checkbox"/> BG Bulgaria                              | <input checked="" type="checkbox"/> MK The former Yugoslav Republic of Macedonia |
| <input checked="" type="checkbox"/> BR Brazil                                | <input checked="" type="checkbox"/> MN Mongolia                                  |
| <input checked="" type="checkbox"/> BY Belarus                               | <input checked="" type="checkbox"/> MW Malawi                                    |
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| <input checked="" type="checkbox"/> CH and LI Switzerland and Liechtenstein  | <input checked="" type="checkbox"/> NO Norway                                    |
| <input checked="" type="checkbox"/> CN China                                 | <input checked="" type="checkbox"/> NZ New Zealand                               |
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| <input checked="" type="checkbox"/> CU Cuba                                  | <input checked="" type="checkbox"/> PT Portugal                                  |
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| <input checked="" type="checkbox"/> DE Germany and utility model             | <input checked="" type="checkbox"/> RU Russian Federation                        |
| <input checked="" type="checkbox"/> DK Denmark and utility model             | <input checked="" type="checkbox"/> SD Sudan                                     |
| <input checked="" type="checkbox"/> DM Dominica                              | <input checked="" type="checkbox"/> SE Sweden                                    |
| <input checked="" type="checkbox"/> EE Estonia and utility model             | <input checked="" type="checkbox"/> SG Singapore                                 |
| <input checked="" type="checkbox"/> ES Spain                                 | <input checked="" type="checkbox"/> SI Slovenia                                  |
| <input checked="" type="checkbox"/> FI Finland and utility model             | <input checked="" type="checkbox"/> SK Slovakia and utility model                |
| <input checked="" type="checkbox"/> GB United Kingdom                        | <input checked="" type="checkbox"/> SL Sierra Leone                              |
| <input checked="" type="checkbox"/> GD Grenada                               | <input checked="" type="checkbox"/> TJ Tajikistan                                |
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| <input checked="" type="checkbox"/> GH Ghana                                 | <input checked="" type="checkbox"/> TR Turkey                                    |
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| <input checked="" type="checkbox"/> HR Croatia                               | <input checked="" type="checkbox"/> TZ United Republic of Tanzania               |
| <input checked="" type="checkbox"/> HU Hungary                               | <input checked="" type="checkbox"/> UA Ukraine                                   |
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| <input checked="" type="checkbox"/> IL Israel                                | <input checked="" type="checkbox"/> US United States of America                  |
| <input checked="" type="checkbox"/> IN India                                 | <input checked="" type="checkbox"/> UZ Uzbekistan                                |
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| <input checked="" type="checkbox"/> KE Kenya                                 | <input checked="" type="checkbox"/> ZA South Africa                              |
| <input checked="" type="checkbox"/> KG Kyrgyzstan                            | <input checked="" type="checkbox"/> ZW Zimbabwe                                  |
| <input checked="" type="checkbox"/> KP Democratic People's Republic of Korea |  |
| <input checked="" type="checkbox"/> KR Republic of Korea                     |  |
| <input checked="" type="checkbox"/> KZ Kazakhstan                            |  |
| <input checked="" type="checkbox"/> LC Saint Lucia                           |  |
| <input checked="" type="checkbox"/> LK Sri Lanka                             |  |

Check-boxes reserved for designating States which have become party to the PCT after issuance of this sheet:

- ☒ AG Antigua and Barbuda
- ☒ DZ Algeria

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

<b>Box No. VI PRIORITY CLAIM</b>					<input type="checkbox"/> Further priority claims are indicated in the Supplemental Box.
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:			
		national application: country	regional application: regional Office	international application: receiving Office	
item (1) 10. May 1999 (10.05.99)	PV 1655-99	CZ			
item (2)					
item (3)					
<input checked="" type="checkbox"/> The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s): 1					
<small>* Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.</small>					
<b>Box No. VII INTERNATIONAL SEARCHING AUTHORITY</b>					
Choice of International Searching Authority (ISA) <small>(if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):</small>		Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority): Date (day/month/year)      Number      Country (or regional Office)			
ISA /					
<b>Box No. VIII CHECK LIST; LANGUAGE OF FILING</b>					
This international application contains the following number of sheets: request : 3 description (excluding sequence listing part) : 7 claims : 2 abstract : 1 drawings : 1 sequence listing part of description : Total number of sheets : 14		This international application is accompanied by the item(s) marked below: 1. <input type="checkbox"/> fee calculation sheet 2. <input type="checkbox"/> separate signed power of attorney 3. <input type="checkbox"/> copy of general power of attorney; reference number, if any: 4. <input type="checkbox"/> statement explaining lack of signature 5. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s): 6. <input type="checkbox"/> translation of international application into (language): 7. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material 8. <input type="checkbox"/> nucleotide and/or amino acid sequence listing in computer readable form 9. <input type="checkbox"/> other (specify):			
Figure of the drawings which should accompany the abstract: 1		Language of filing of the international application: English			
<b>Box No. IX SIGNATURE OF APPLICANT OR AGENT</b>					
<small>Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).</small>					
 Zdeněk Procházka		 Jiří Andera (Patent Agent)			

For receiving Office use only	
1. Date of actual receipt of the purported international application: 3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application: 4. Date of timely receipt of the required corrections under PCT Article 11(2): 5. International Searching Authority (if two or more are competent): ISA /	2. Drawings: <input type="checkbox"/> received: <input type="checkbox"/> not received: 6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid.

Date of receipt of the record copy by the International Bureau:	For International Bureau use only
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## PATENT COOPERATION TREATY

PCT

NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

ANDERA, Jiri  
Rott, Ruzicka & Guttman  
P.O. Box 71  
142 00 Praha 4  
RÉPUBLIQUE TCHÈQUE

Date of mailing (day/month/year) 20 June 2000 (20.06.00)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference PV/276/PCT	
International application No. PCT/CZ00/00031	International filing date (day/month/year) 09 May 2000 (09.05.00)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 10 May 1999 (10.05.99)
Applicant PROCHAZKA, Zdenek	

- The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
10 May 1999 (10.05.99)	PV 1655-99	CZ	05 June 2000 (05.06.00)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. (41-22) 740.14.35	Authorized officer  Max Germeil  Telephone No. (41-22) 338.83.38
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## PATENT COOPERATION TREATY

## PCT

161  
REC'D 27 JUN 2001

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PC:

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT


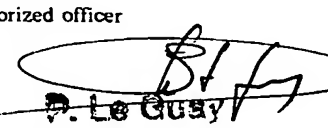

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference. <b>PV/276/PCT</b>	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. <b>PCT/CZ 00/ 00031</b>	International filing date (day/month/year) <b>09/05/2000</b>	Priority date (day/month/year) <b>10/05/1999</b>
International Patent Classification (IPC) or national classification and IPC <b>G07C9/00</b>		
Applicant <b>PROCHAZKA, Zdenek</b>		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This **REPORT** consists of a total of 6 sheets, including this cover sheet.
- ☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).
- These annexes consists of a total of 2 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand <b>04/12/2000</b>	Date of completion of this report <b>25.06.01</b>
Name and mailing address of the IPEA/  European Patent Office D-80298 Munich Tel. (+49-89) 2399-0, Tx: 523656 epmu d Fax: (+49-89) 2399-4465	Authorized officer  <b>P. Le Guay</b> 

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

## I. Basis of the report

1. This report has been drawn up on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*

☐ the international application as originally filed

☒ the description, pages 1-7, as originally filed  
 pages, filed with the demand  
 pages, filed with the letter of

☒ the claims, Nos. , as originally filed  
 Nos. , as amended under Article 19  
 Nos. , filed with the demand  
 Nos. 1-6, filed with the letter of 02.05.01

☒ the drawings, sheets / fig. 1/1, as originally filed  
 sheets / fig. , filed with the demand  
 sheets / fig. , filed with the letter of

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages:  
☐ the claims, Nos.  
☐ the drawings, sheets / fig.

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2 (c)).

4. Additional observations, if necessary:

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty	Claims	1-6	YES
	Claims	None	NO
Inventive Step	Claims	1-6	YES
	Claims	None	NO
Industrial Applicability	Claims	1-6	YES
	Claims	None	NO

**2. Citations and Explanations**

**1. Concerning Claim 1:**

- (a) Claim 1 relates to an arrangement comprising an electronic lock connected to a discriminating unit, a reading device and an access events memory;
- (b) such an arrangement is known from prior art documents like US-A 3 842 629, CA-A-2 227 664 and US-A-5 614 703;
- (c) the purpose of the invention is to use such an arrangement in shared areas and make possible to survey the damages caused to the shared objects;
- (d) this problem is solved by the claimed arrangement which further discloses a user terminal enabling the user to communicate any decrease in quality to the evaluation centre which can cancel the authorisation of using the shared objects to the previous user;
- (e) such feature must be considered as novel and inventive in terms of Article 33(2) and (3) PCT.

**INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

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2. Concerning Claims 2-6:

These depending claims disclose particular embodiments of the invention and are therefore also considered as being novel and inventive (Article 33(2) and (3) PCT).

3. The industrial applicability of the arrangement according to Claims 1 to 6 is obvious.

International application No.

PCT/CZOO/00031

**INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

**VII. Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents US-A-3 842 629, CA-A-2 227 664 and US-A-5 614 703 are not mentioned in the description, nor are these documents identified therein.



**INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

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**VIII. Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claim 1 lacks clarity in terms of Article 6 PCT. Thus, Claim 1 does not contain essential features such as the location of the user terminal (inside the protected area), the location of the discriminating unit, the evaluation centre and the access events memory (outside the protected area) and the location of the reading device (beside the entrance door of the protected area).

## CLAIMS

1. Arrangement of entrance unit for protected area, comprising an electronic lock (2) whose input is connected to the first output (5.1) of the discriminating unit (5) and to the first input (5.3) of the discriminating unit (5) is connected output of reading device (3) of chip cards (4), while the second output (5.2) of the discriminating unit (5) is connected to the first input (9.1) of the access events memory (9), **characterized by the fact** that said arrangement further comprises an user terminal (7) for enabling the user to communicate any decrease in quality of the protected area to the evaluation centre (6), the first output (7.1) of the user terminal (7) is connected to the first input (6.1) of evaluation centre (6), that on the basis of the communication concerning the decrease in quality of the protected area can cancel the authorisation for using the protected area to user who used the protected area in a previous case and the first input (7.3) of the user terminal (7) is connected to the first output (6.3) of evaluation centre (6), while the third output (6.5) of the evaluation centre (6) is connected to the second input (5.4) of discriminating unit (5), fourth output (6.6) of the evaluation centre (6) is connected to second input (9.2) of the access events memory (9), while the second input (6.2) of the evaluation centre (6) is connected to the first output (9.3) of the access events memory (9).
2. Arrangement according to claim 1, **characterized by the fact** that the evaluation centre (6) is provided with second output (6.4) and the discriminating unit (5) is provided with third input (5.5) while between the second output (6.4) of the evaluation centre (6) and the third input (5.5) of the discriminating unit (5) an monitoring terminal (8) is connected.
3. Arrangement according to claim 1, **characterized by the fact** that the user terminal (7) is equipped by a reading unit (3') of chip cards (4).

4. Arrangement according to claim 1, **characterized by the fact** that the second output (7.2) of the user terminal (7) is connected to input of an auxiliary equipment (11).

5. Arrangement according to claim 2, **characterized by the fact** that the discriminating unit (5) is connected to one or more reading devices (3) and one or more locks (2), the access events memory (9) is connected to one or more discriminating units (5), the evaluation centre (6) is connected to one or more discriminating units (5) and one or more access events memories (9), the monitoring terminal (8) is connected to one or more discriminating units (5) and to one or more evaluating centres (6).

6. Arrangement according to claim 1, **characterized by the fact** that connection of inputs and outputs of the electronic lock (2), the reading device (3) of chip cards (4) and the user terminal (7) with inputs and outputs of the discriminating unit (5) and the evaluation centre (6) is provided via wireless link.